| L Number | Hits   | Search Text  | DB                                     | Time stamp       |
|----------|--------|--|--|------------------|
| L Number | 24     | (scan\$4) same (edge near2 detect\$3) same (intensity near2 pixel)         | USPAT;                                 | 2002/12/23 13:43 |
| -        | 24     | (Scalip4) Same (edge hear 2 decembs) same (missing) nema prosest           | US-PGPUB;                              | 1                |
|          |        |  | IBM_TDB                                |                  |
|          | . 1    |  | USPAT;                                 | 2002/12/23 12:11 |
| -        | 1      | 5926268.pn.  |  | 2002/12/23 12.11 |
|          | l      |  | US-PGPUB;                              |                  |
|          |        |  | IBM_TDB                                |                  |
| -        | 180    | (edge near2 detect\$3) same (intensity near2 pixel)                        | USPAT;                                 | 2002/12/23 13:43 |
|          |        |  | US-PGPUB;                              |                  |
|          |        | '  | IBM_TDB                                |                  |
|          | 21     | ((edge near2 detect\$3) same (intensity near2 pixel)) and (normal\$4 near5 | USPAT;                                 | 2002/12/23 13:50 |
| -        | 2.     | edge)  | US-PGPUB;                              |                  |
|          |        | edge)  | IBM TDB                                |                  |
|          | 10     | ((edge near2 detect\$3) same (intensity near2 pixel)) and (normal near5    | USPĀT;                                 | 2002/12/23 13:51 |
| -        | 10     |  | US-PGPUB;                              |                  |
|          |        | edge)  | IBM TDB                                |                  |
| 1        |        |  | USPAT                                  | 2002/12/23 17:24 |
| 1 -      | 8      | ("4547895"   "4803736"   "4868752"   "4896364"   "4970653"                 | USFAI                                  | 2002/12/23 17.24 |
|          |        | "5019903"   "5144684"   "5212740").PN.                                     | ************************************** | 2002/12/22 18 07 |
| -        | 2      | ("3624606"   "4392120").PN.  | USPAT                                  | 2002/12/23 18:07 |
| 1.       | 37018  | detect\$3 near3 edge   | USPAT;                                 | 2003/06/13 16:12 |
|          | •      |  | US-PGPUB;                              |                  |
|          |        |  | EPO;                                   |                  |
|          |        |  | DERWENT;                               | İ                |
|          |        |  | IBM_TDB                                | •                |
|          | 2250   | (1.4. (62  | USPAT;                                 | 2003/06/13 17:02 |
| -        | 3379   | (detect\$3 near3 edge) same (intensity or brightness or contrast or        | US-PGPUB;                              | 2003/00/13 17:02 |
|          |        | gradient)  |  |                  |
|          |        |  | EPO;                                   |                  |
|          |        |  | DERWENT;                               |                  |
|          |        |  | IBM_TDB                                |                  |
| -        | 5      | ((detect\$3 near3 edge) same (intensity or brightness or contrast or       | USPAT;                                 | 2003/06/13 16:20 |
|          | _      | gradient)) same ((scan\$4 or inspect\$3 or read\$3 or imag\$3 or exam\$3)  | US-PGPUB;                              |                  |
|          |        | with (different near2 (direction or angle or path)))                       | EPO;                                   |                  |
|          |        | With different field (different of angle as p. 7//)                        | DERWENT;                               |                  |
|          |        |  | IBM_TDB                                |                  |
|          | 014    | 202/100 cyla   | USPAT;                                 | 2003/06/13 16:24 |
| -        | 814    | 382/199.ccls.  | US-PGPUB;                              |                  |
|          |        | ·  | EPO;                                   |                  |
|          |        |  | DERWENT;                               |                  |
|          |        |  | IBM TDB                                |                  |
|          |        |  | . —                                    | 2003/06/13 16:25 |
| -        | 34     | 382/199.ccls. and (scan\$4 with (histogram or distribution))               | USPAT;                                 | 2003/00/13 10.23 |
|          |        |  | US-PGPUB;                              |                  |
|          |        |  | EPO;                                   |                  |
|          |        |  | DERWENT;                               |                  |
|          |        |  | IBM_TDB                                |                  |
|          | 5      | ("4568981"   "4591897"   "5301027"   "5510849"   "6101274").PN.            | USPAT                                  | 2003/06/13 17:01 |
| -        | 919    |  | USPAT;                                 | 2003/06/13 17:02 |
| -        | 919    | (detects) hears edge) same (mstogram or dismostration)                     | US-PGPUB;                              |                  |
|          |        |  | EPO;                                   |                  |
| ŀ        |        |  | DERWENT;                               |                  |
|          |        |  |  |                  |
|          |        |  | IBM_TDB                                | 2003/06/13 17:04 |
| -        | 38     |  | USPAT;                                 | 2003/00/13 17.04 |
|          |        | with (direction or angle))   | US-PGPUB;                              |                  |
|          |        | - "  | EPO;                                   |                  |
|          |        |  | DERWENT;                               |                  |
|          | 1      |  | IBM_TDB                                |                  |
|          | 1      | 358331.URPN.   | USPĀT                                  | 2003/06/13 17:05 |
| -        | 127080 |  | USPAT;                                 | 2003/06/13 17:22 |
| -        | 137089 |  | US-PGPUB;                              |                  |
|          |        | or boundary)   | EPO;                                   |                  |
|          |        |  | DERWENT;                               |                  |
|          |        |  |  |                  |
|          |        |  | IBM_TDB                                | <u> </u>         |

| - | 303                | ((extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary)) same ((detect\$3 or scan\$4 or inspect\$3 or exam\$7) with ((many or plural\$3 or different or "2" or "4") near4 (direction or | USPAT;<br>US-PGPUB;<br>EPO;  | 2003/06/13 17:33   |
|---|--------------------|---|--|--|
|   |                    | angle)))  | DERWENT;   |  |
| - | 12                 | (((extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary)) same ((detect\$3 or scan\$4 or inspect\$3 or exam\$7)   | IBM_TDB<br>USPAT;<br>US-PGPUB;                                       | 2003/06/13 17:39   |
|   |                    | with ((many or plural\$3 or different or "2" or "4") near4 (direction or angle)))) same (histogram or distribution)   | EPO;<br>DERWENT;<br>IBM_TDB  |  |
| - | 16088              | (scan\$4 or inspect\$4) with ((different or plural\$4 or many or any or "2" or "4") near3 (direction or angle))   | USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;                              | 2003/06/13 17:46   |
| - | 103                | ((scan\$4 or inspect\$4) with ((different or plural\$4 or many or any or "2" or "4") near3 (direction or angle))) same ((edge or boundary) near4 (detect\$3))   | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;                   | 2003/06/13 17:51   |
| - | 4 2                | ("4833722"   "5054098"   "5073960"   "5136658").PN.<br>5491759.pn.  | IBM_TDB<br>USPAT<br>USPAT;<br>US-PGPUB;                              | 2003/06/13 18:00<br>2003/06/13 18:28                     |
| - | · 2<br>4<br>113717 | 5491759.URPN.<br>("4833722"   "5054098"   "5073960"   "5136658").PN.<br>(detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)  | EPO;<br>DERWENT;<br>IBM_TDB<br>USPAT<br>USPAT<br>USPAT;<br>US-PGPUB; | 2003/06/13 18:28<br>2003/06/13 18:29<br>2003/06/13 19:44 |
| - | 3382               | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same (histogram or distribution)   | EPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;           | 2003/06/13 19:56   |
| - | 1626               | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) with (histogram or distribution)   | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;                   | 2003/06/13 19:47   |
| - | 9                  | ((((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) with (histogram or distribution)) same ((scan\$3 or detect\$3) with ((different or many or plural\$3 or "2" or "4") near4 (direction or angle)))         | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;       | 2003/06/13 19:51   |
| - | 491                | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast))   | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;                               | 2003/06/13 19:59   |
| - | 533                | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast or gradient))   | DERWENT;<br>IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;       | 2003/06/13 20:07   |
| - | 256                | ((((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same<br>((histogram or distribution) near8 (intensity or brightness or contrast or<br>gradient))) same (pixel or image)                                  | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO;<br>DERWENT;                   | 2003/06/13 20:01   |
|   |                    |   | IBM_TDB  | 2002/06/12 20 02   |
| - | 18                 | 4410278.URPN.   | USPAT  | 2003/06/13 20:03   |

|   | ,      |   |                     |                                      |
|---|--------|---|---------------------|--------------------------------------|
| - | 596    | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same<br>((histogram or distribution) near8 (intensity or brightness or contrast or | USPAT;<br>US-PGPUB; | 2003/06/13 20:08                     |
|   |        | gradient or luminance))   | EPO;<br>DERWENT;    |                                      |
|   | 3      | 4600830.URPN.   | IBM_TDB<br>USPAT    | 2002/06/12 20:09                     |
| - | 115    |   | USPAT;              | 2003/06/13 20:08<br>2003/06/13 20:12 |
|   |        | (intensity or brightness or contrast or luminance or gradient))   | US-PGPUB;           | 2000,00,10 20.12                     |
|   |        |   | EPO;                |                                      |
|   |        |   | DERWENT;<br>IBM_TDB |                                      |
| _ | 8      | (((edge or boundary or line) near2 detect\$3) same ((histogram) with  | USPAT;              | 2003/06/13 20:13                     |
|   |        | (intensity or brightness or contrast or luminance or gradient))) and  | US-PGPUB;           |                                      |
|   |        | ((scan\$4 or detect\$3) with ((multiple or different or many or plural\$3) near4 (direction or angle)))   | EPO;                | :                                    |
|   |        | near4 (direction of angle)))  | DERWENT;<br>IBM_TDB |                                      |
| - | 229686 | (edge or boundary or line) near5 (detect\$4 or scan\$4)   | USPAT;              | 2003/06/14 16:05                     |
|   |        |   | US-PGPUB;           |                                      |
|   |        |   | EPO;                |                                      |
|   |        | ,   | DERWENT;<br>IBM_TDB |                                      |
| - | 147    | ((edge or boundary or line) near5 (detect\$4 or scan\$4)) same ((histogram  | USPAT;              | 2003/06/14 16:07                     |
|   |        | or distribution) with (intensity or brightness or contrast or luminance)  | US-PGPUB;           |                                      |
|   |        | with (pixel or gradient))   | EPO;<br>DERWENT;    |                                      |
|   | }      |   | IBM_TDB             |                                      |
| - | 30     | (((edge or boundary or line) near5 (detect\$4 or scan\$4)) same ((histogram   | USPAT;              | 2003/06/14 16:12                     |
|   | :      | or distribution) with (intensity or brightness or contrast or luminance) with (pixel or gradient))) and ((scan\$4 or detect\$3 or inspect\$3) with  | US-PGPUB;           |                                      |
|   |        | ((multiple or many or different or vertical or horizonal or plural\$3) near5  | EPO;<br>DERWENT;    |                                      |
|   |        | (direction or angle)))  | IBM_TDB             |                                      |
| - | 434179 | (identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3  | USPAT;              | 2003/06/14 16:36                     |
|   |        | or distinguish\$3) near5 (shape or pattern or wafer or edge or boundary or object)  | US-PGPUB;<br>EPO;   |                                      |
|   |        |   | DERWENT;            |                                      |
|   |        |   | IBM_TDB             |                                      |
| - | 25680  | ((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or    | USPAT;              | 2003/06/14 16:44                     |
|   |        | boundary or object)) same ((multiple or many or plural\$3 or different)   | US-PGPUB;<br>EPO;   |                                      |
|   |        | near7 (scan\$4 or detect\$4 or direction or angle))   | DERWENT;            |                                      |
|   | 2420   | (//:1   | IBM_TDB             | ***********                          |
| - | 3439   | (((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or   | USPAT;<br>US-PGPUB; | 2003/06/14 16:46                     |
|   |        | boundary or object)) same ((multiple or many or plural\$3 or different)   | EPO;                |                                      |
|   |        | near7 (scan\$4 or detect\$4 or direction or angle))) same ((edge or   | DERWENT;            |                                      |
| _ | 35     | boundary) near3 (detect\$3))<br>  ((((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or  | IBM_TDB<br>USPAT;   | 2003/06/14 16:51                     |
| - |        | extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or   | US-PGPUB;           | 2003/00/14 10:31                     |
|   |        | boundary or object)) same ((multiple or many or plural\$3 or different)   | EPO;                |                                      |
|   |        | near7 (scan\$4 or detect\$4 or direction or angle))) same ((edge or   | DERWENT;            |                                      |
|   |        | boundary) near3 (detect\$3))) same ((histogram or distribution) near8 (brightness or intensity or luminance or density or gradient))                | IBM_TDB             |                                      |
| _ | 635123 | (identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with  | USPAT;              | 2003/06/14 17:02                     |
|   |        | (object or shape or boundary or edge or pattern)  | US-PGPUB;           |                                      |
|   |        | ·   | EPO;                |                                      |
|   |        |   | DERWENT;<br>IBM_TDB |                                      |
| - | 4698   | ((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with   | USPAT;              | 2003/06/14 17:10                     |
|   |        | (object or shape or boundary or edge or pattern)) same (((multiple or   | US-PGPUB;           |                                      |
|   |        | many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple or many or different or plural\$3) near4 (direction or angle))))       | EPO;<br>DERWENT;    |                                      |
|   |        | of many of different of plantages) near (direction of angle))))   | IBM_TDB             |                                      |
|   |        |   | IRM_LDR             |                                      |

|     | 100    | /// 1 - 'ODG 1   | 1 1100 100 |                  |
|-----|--------|--|------------|------------------|
|     | 499    | (((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with   | USPAT;     | 2003/06/14 17:11 |
|     |        | (object or shape or boundary or edge or pattern)) same (((multiple or  | US-PGPUB;  |                  |
|     |        | many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple   | EPO;       |                  |
|     |        | or many or different or plural\$3) near4 (direction or angle))))) same   | DERWENT;   |                  |
|     |        | ((edge or boundary or line) near3 (detect\$4))   | IBM_TDB    |                  |
| -   | 1      | (((((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with   | USPAT;     | 2003/06/14 17:16 |
|     |        | (object or shape or boundary or edge or pattern)) same (((multiple or  | US-PGPUB;  |                  |
|     |        | many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple   | EPO;       |                  |
|     |        | or many or different or plural\$3) near4 (direction or angle))))) same   | DERWENT;   |                  |
|     | 1      | ((edge or boundary or line) near3 (detect\$4))) same ((histogram or  | IBM_TDB    |                  |
|     |        | distribution) near8 (brightness or intensity or contrast or illuminance or   | _          |                  |
|     |        | gradient))   |            |                  |
| -   | 18     | ((((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with  | USPAT;     | 2003/06/14 17:17 |
|     |        | (object or shape or boundary or edge or pattern)) same (((multiple or  | US-PGPUB;  |                  |
|     |        | many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple   | EPO;       |                  |
|     |        | or many or different or plural\$3) near4 (direction or angle))))) same   | DERWENT;   |                  |
|     |        | ((edge or boundary or line) near3 (detect\$4))) and 382/199.ccls.  | IBM_TDB    |                  |
| _   | 155    | (defin\$3 near3 (edge or boundary)) same ((multiple or many or different   | USPAT;     | 2003/06/14 17:24 |
| İ   |        | or plural) with (scan\$4))   | US-PGPUB;  | 2003/00/1117.21  |
|     |        | ,  | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     |        |  | IBM_TDB    |                  |
| _   | 22633  | (scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple)  | USPAT;     | 2003/06/14 17:51 |
|     | 22033  | near5 (angle or direction))  | US-PGPUB;  | 2003/00/14 17.31 |
|     | -      | (angle of an edition))   | EPO;       | İ                |
|     |        |  | DERWENT;   |                  |
|     |        |  | 1          |                  |
|     | 210    | ((soon\$4 or detect\$2) with ((different or many or plural\$4 or multiple)   | IBM_TDB    | 2002/06/14 17:54 |
| -   | 210    | ((scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple)   | USPAT;     | 2003/06/14 17:54 |
|     |        | near5 (angle or direction))) same ((histogram or distribution) near7   | US-PGPUB;  |                  |
|     |        | (brightness or intensity or illuminance or density or contrast))   | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     |        | (((  | IBM_TDB    |                  |
| -   | 11     | (((scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple)  | USPAT;     | 2003/06/14 17:55 |
|     |        | near5 (angle or direction))) same ((histogram or distribution) near7   | US-PGPUB;  |                  |
|     |        | (brightness or intensity or illuminance or density or contrast))) same   | EPO;       |                  |
|     |        | ((edge or boundary or line) near4 (detect\$3 or scan\$4))  | DERWENT;   |                  |
|     |        |  | IBM_TDB    |                  |
| -   | 182972 | (extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or  | USPAT;     | 2003/06/14 18:05 |
|     |        | boundary or edge)  | US-PGPUB;  |                  |
|     |        |  | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     | 1      |  | IBM_TDB    |                  |
| 1 - | 735    | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or   | USPAT;     | 2003/06/14 18:06 |
|     |        | boundary or edge)) same ((histogram or distribution) near8 (intensity or   | US-PGPUB;  |                  |
|     |        | brightness or luminance or contrast))  | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     |        |  | IBM_TDB    |                  |
| -   | 25380  | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or   | USPAT;     | 2003/06/14 18:06 |
|     |        | boundary or edge)) same (image or pixel)   | US-PGPUB;  |                  |
|     |        |  | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     |        |  | IBM_TDB    |                  |
| -   | 354    | (((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or  | USPĀT;     | 2003/06/14 18:07 |
|     |        | boundary or edge)) same ((histogram or distribution) near8 (intensity or   | US-PGPUB;  |                  |
|     |        | brightness or luminance or contrast))) same (image or pixel)   | EPO;       |                  |
|     |        |  | DERWENT;   |                  |
|     |        |  | IBM_TDB    |                  |
| -   | 6      | ((((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or   | USPAT;     | 2003/06/14 18:16 |
|     |        | boundary or edge)) same ((histogram or distribution) near8 (intensity or   | US-PGPUB;  |                  |
|     |        | brightness or luminance or contrast))) same (image or pixel)) same   | EPO;       |                  |
|     |        | ((different or plural\$3 or multiple or many or any) near4 (direction or   | DERWENT;   |                  |
|     |        | angle))  | IBM_TDB    |                  |
|     | ·      | to a second to the second to t |            |                  |

|       |        |   | ,         |                  |
|-------|--------|---|-----------|------------------|
| -     | 10     | (((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or   | USPAT;    | 2003/06/14 18:22 |
|       |        | boundary or edge)) same ((histogram or distribution) near8 (intensity or    | US-PGPUB; |                  |
|       |        | brightness or luminance or contrast))) same ((different or plural\$3 or     | EPO;      |                  |
|       |        | multiple or many or any) near4 (direction or angle))                        | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
| -     | 539    | ((edge or boundary) near3 (detect\$3)) with (histogram or distribution)     | USPAT;    | 2003/06/14 18:27 |
|       |        |   | US-PGPUB; |                  |
|       |        | · ·   | EPO;      |                  |
|       |        |   | DERWENT;  |                  |
|       |        |   | IBM_TDB   | ,                |
| _     | 18     | (((edge or boundary) near3 (detect\$3)) with (histogram or distribution))   | USPĀT;    | 2003/06/14 18:29 |
|       |        | same ((multi or multiple or many or plural or vertical or horizontal) near5 | US-PGPUB; |                  |
|       |        | (direction or angle))   | EPO;      |                  |
|       |        | (direction of display)  | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
|       | 122686 | (extract\$3 or recogniz\$3 or determin\$3) near7 (shape or boundary or      | USPAT;    | 2003/06/14 21:25 |
| -     | 122000 | 1 ' · · · · · · · · · · · · · · · · · ·                                     |           | 2003/06/14 21:23 |
|       |        | edge or contour)  | US-PGPUB; |                  |
|       |        |   | EPO;      |                  |
|       |        |   | DERWENT;  |                  |
|       |        | W 20 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                   | IBM_TDB   |                  |
| -     | 118    | "L2" same ((histogram or distribution) near5 (intensity or brightness or    | USPAT;    | 2003/06/14 21:31 |
|       |        | contrast or luminance))   | US-PGPUB; |                  |
|       |        |   | EPO;      | ·                |
|       |        |   | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
| -     | 67281  | (edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or    | USPAT;    | 2003/06/14 21:38 |
|       |        | recogniz\$3)  | US-PGPUB; |                  |
|       |        |   | EPO;      |                  |
|       |        |   | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
| _     | 954    | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or   | USPAT;    | 2003/06/14 22:06 |
|       |        | recogniz\$3)) same ((intensity or brightness or contrast or luminance)      | US-PGPUB; |                  |
|       |        | near6 (pixel or gradient))  | EPO;      |                  |
|       |        | near of gradienty)  | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
| _     | 116    | (((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or  | USPAT;    | 2003/06/14 22:04 |
| -     | 110    | recogniz\$3)) same ((intensity or brightness or contrast or luminance)      | US-PGPUB; | 2003/00/14 22:04 |
|       |        | near6 (pixel or gradient))) same (histogram or distribution)                | EPO;      |                  |
|       |        | heard (pixer of gradient))) same (mstogram of distribution)                 | DERWENT;  | 1                |
|       |        |   |           |                  |
|       | 120    | (((-1   | IBM_TDB   | 2002/06/14 22:04 |
| -     | 120    | (((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or  | USPAT;    | 2003/06/14 22:04 |
|       |        | recogniz\$3)) same ((intensity or brightness or contrast or luminance)      | US-PGPUB; |                  |
|       |        | near6 (pixel or gradient))) same (histogram or distribution or plot)        | EPO;      |                  |
|       |        |   | DERWENT;  |                  |
|       |        |   | IBM_TDB   | 2002/06/14 22 62 |
| -     | 4      | ((((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or | USPAT;    | 2003/06/14 22:05 |
|       | 1      | recogniz\$3)) same ((intensity or brightness or contrast or luminance)      | US-PGPUB; |                  |
|       |        | near6 (pixel or gradient))) same (histogram or distribution or plot)) not   | EPO;      |                  |
|       |        | ((((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or | DERWENT;  |                  |
|       |        | recogniz\$3)) same ((intensity or brightness or contrast or luminance)      | IBM_TDB   |                  |
|       | 1      | near6 (pixel or gradient))) same (histogram or distribution))               |           |                  |
| -     | 87     | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or   | USPAT;    | 2003/06/14 22:07 |
|       |        | recogniz\$3)) same (((intensity or brightness or contrast or luminance)     | US-PGPUB; |                  |
|       |        | near6 (pixel or gradient)) with (histogram or plot ot distribution))        | EPO;      |                  |
|       |        |   | DERWENT;  |                  |
|       |        |   | IBM_TDB   |                  |
| -     | 6      | 4984075.URPN.   | USPAT     | 2003/06/14 22:07 |
| _     | 211    | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or   | USPAT;    | 2003/06/14 22:35 |
| :<br> |        | recogniz\$3)) same (scan\$4 with ((multiple or many or different or two or  | US-PGPUB; |                  |
|       |        | four or "2" or "4") near4 (direction or angle)))                            | EPO;      |                  |
|       |        | 1001 01 2 01 1 / Hour ( Girochon of dilgio)))                               | DERWENT;  |                  |
|       | [      |   | IBM_TDB   |                  |
|       | l      | 1   | TOW I DD  |                  |

| - | 15    | (((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or   | USPAT;    | 2003/06/14 22:39 |   |
|---|-------|--|-----------|------------------|---|
|   |       | recogniz\$3)) same (scan\$4 with ((multiple or many or different or two or   | US-PGPUB; |                  |   |
|   |       | four or "2" or "4") near4 (direction or angle)))) same (intensity or         | EPO;      |                  |   |
|   |       | brightness or luminance or contrast)   | DERWENT;  |                  |   |
|   |       | ,  | IBM TDB   |                  | ١ |
| - | 2     | 5491759.pn.  | USPAT;    | 2003/06/14 23:27 |   |
|   |       | '  | US-PGPUB; |                  |   |
|   |       |  | EPO;      |                  |   |
|   |       |  | DERWENT;  |                  | l |
| 1 |       |  | IBM TDB   |                  |   |
| - | 2     | 5491759.URPN.  | USPAT     | 2003/06/14 23:02 | 1 |
| - | 14334 | scan\$4 with ((multiple or multi or plural\$4 or many or different or "4" or | USPAT;    | 2003/06/14 23:14 |   |
|   |       | four or "2" or two) near2 (direction or angle))                              | US-PGPUB; |                  | ŀ |
|   |       | ,  | EPO;      |                  | l |
|   |       | •  | DERWENT;  |                  |   |
|   |       |  | IBM_TDB   |                  | l |
| _ | 2     | 5398292.pn.  | USPAT;    | 2003/06/14 23:27 |   |
|   |       |  | US-PGPUB; |                  |   |
| , |       |  | EPO;      |                  |   |
|   |       | •  | DERWENT;  |                  | l |
|   |       |  | IBM_TDB   |                  | l |
| - | 8     | ("4547895"   "4803736"   "4868752"   "4896364"   "4970653"                   | USPAT     | 2003/06/14 23:27 |   |
|   |       | "5019903"   "5144684"   "5212740").PN.                                       |           |                  | ŧ |